

Please amend claim 3 as follows:

B1
3. (Amended) The optical scanning system of claim 6 wherein at least one deflector includes a mirror mounted for rotation about a pivot axis.

Please amend claim 6 as follows:

B2
547
6. (Amended) An optical scanning system, comprising:
an input port positioned to accept an input light beam;
at least one deflector aligned to receive the input light beam from the input port and oriented to redirect the received light beam through a selected scan pattern, the deflector being of a type that produces a predicted deviation of the redirected light beam from a desired light beam at respective locations in the selected scan pattern;
an electrical control circuit operative to produce a control signal corresponding to the selected scan pattern; and
a controllable optical element positioned to receive either of the input light beam or the redirected light beam and having an input terminal for receiving the control signal, the optical element being responsive to the control signal to produce a corresponding correction that offsets the predicted deviation wherein the controllable optical element includes a deformable membrane responsive to the control signal to deform to produce the corresponding correction.

Please amend claim 8 as follows:

B3
8. (Amended) The optical scanning system of claim 6 wherein at least one deflector includes a positioned detector that provides an electrical signal indicative of an angle at which the deflector redirects the light beam, and wherein the electrical control

circuit is coupled to receive the electrical signal and is responsive to the electrical signal to produce the control signal.

B3
[Please amend claim 9 as follows:]

9. (Amended) An optical scanning system, comprising:

an input port positioned to accept an input light beam;

at least one deflector aligned to receive the input light beam from the input port and oriented to redirect the received light beam through a selected scan pattern, the deflector being of a type that produces a predicted deviation of the redirected light beam from a desired light beam at respective locations in the selected scan pattern;

an electrical control circuit operative to produce a control signal corresponding to the selected scan pattern; and

a controllable optical element positioned to receive either of the input light beam or the redirected light beam and having an input terminal for receiving the control signal, the optical element being responsive to the control signal to produce a corresponding correction that offsets the predicted deviation wherein the predicted deviation is a phase front distortion and wherein the corresponding distortion correction is an offsetting phase front distortion.

B4
Please amend claim 14 as follows:

14. (Amended) The imaging apparatus of claim 13 wherein the plurality of scan positions define a scan pattern, further including a correction scanner aligned to produce a corrective shift orthogonal to the scan pattern.